

§2.1517

47 CFR Ch. I (10–1–04 Edition)

(d) *Carrier frequency test.* The setup specified in §2.1515(a) is to be used in measuring the carrier frequency.

Step (1) Activate the EPIRB and locate the 121.5 MHz signal on the spectrum analyzer. Adjust location of receiving antenna and spectrum analyzer controls to obtain a suitable signal level.

Step (2) Set the spectrum analyzer controls as follows:

I.F. bandwidth: 100 Hz

Video filter: OFF or as wide as possible

Scan time: 10 sec./div.

Amplitude scale: 10 dB/div.

Scan width: 20 Hz/div.

Center frequency: 121.5 MHz

Step (3) Combine the output of the signal generator with the EPIRB signal at the input to the spectrum analyzer.

Step (4) Adjust amplitude and frequency of signal generator output to determine center of carrier frequency component.

Step (5) Measure signal generator frequency with frequency counter with accuracy of 5 PPM or better and record as carrier frequency.

Step (6) If applicable, change the type of modulation of the EPIRB and record the shift in carrier frequency as observed on the spectrum analyzer display.

Step (7) Repeat the above measurement Steps 1 through 6 for 243 MHz.

[56 FR 11683, Mar. 20, 1991; 60 FR 47302, Sept. 12, 1995]

DATA RECORDING/REPORTING REQUIREMENTS

§2.1517 Data recording/reporting requirements.

The test report for an EPIRB shall contain the following information:

(a) Specific identification, including the FCC ID, model and serial numbers, of the EPIRB under test.

(b) The name and location of the test sites used for the measurements.

(c) A description of the instrumentation and equipment, including antennas, used to perform the tests. For purchased equipment, the type, manufacturer and model number are generally sufficient as a description.

(d) The test results and associated comparative information.

(e) A description of any modifications made to the EUT or other system components during the testing.

(f) A description and justification of all deviations from the procedures described herein.

(g) The name and qualifications of the person responsible for the tests.

(h) The date the tests were performed.

(i) A statement signed by the individual responsible for the test that the EPIRB as tested complies or does not comply with the applicable FCC rules.

(j) A statement signed by the individual responsible, either directly or indirectly, for production or marketing of the device tested that the unit tested is representative of the equipment that all be marketed.

FIGURE 1 TO SUBPART N OF PART 2— MEASUREMENT SITE

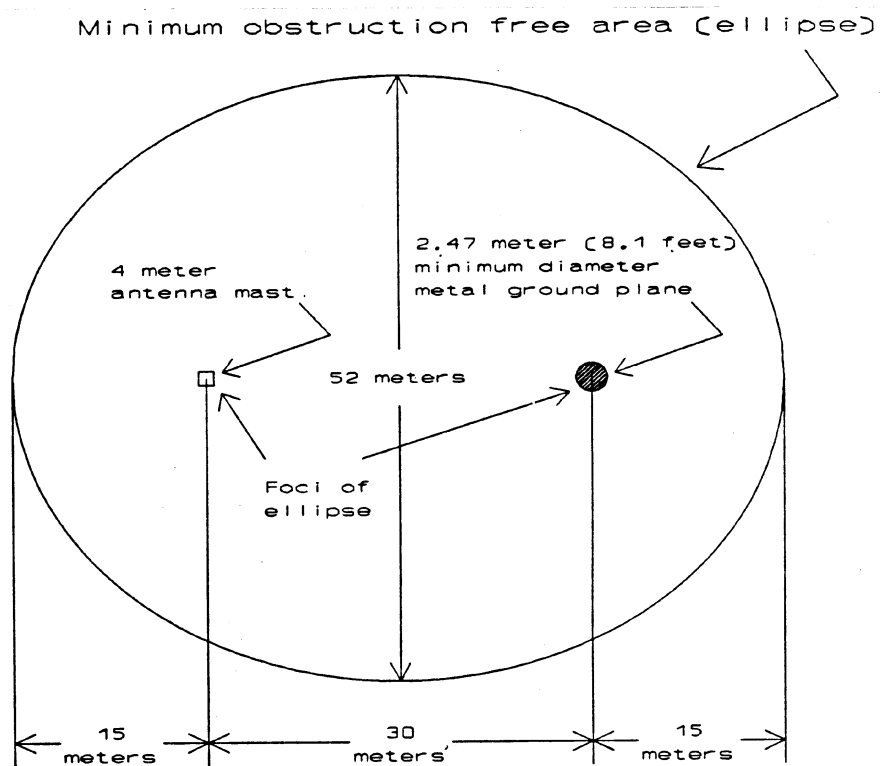
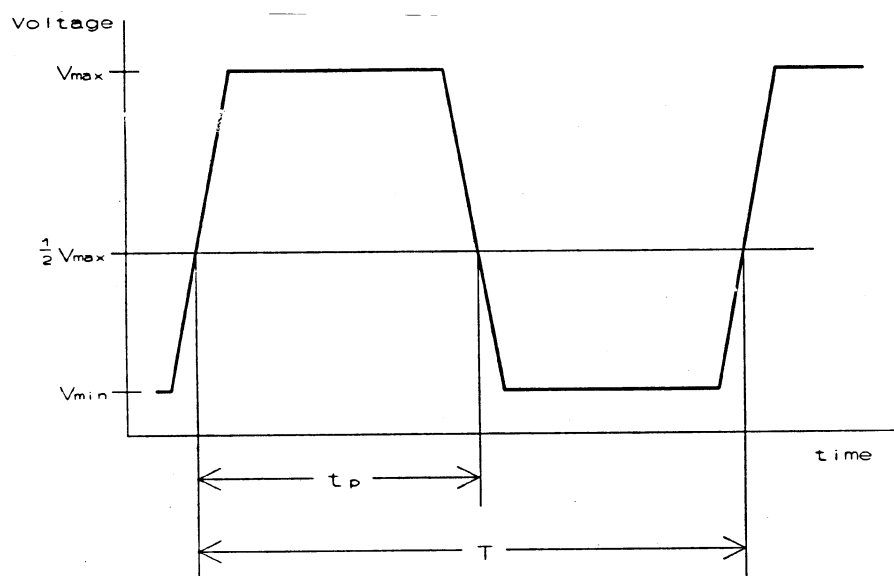


Figure 1 - Measurement Site

FIGURE 2 TO SUBPART N OF PART 2—
TYPICAL AUDIO WAVE



Frequency: $f = \frac{1}{T}$

Duty cycle: $D = \frac{t_p}{T}$

Modulation factor: $M = \frac{V_{\max} - V_{\min}}{V_{\max} + V_{\min}}$

Figure 2 - Typical Audio Waveform

FIGURE 3 TO SUBPART N OF PART 2—
EXAMPLE OF IDEAL EPIRB SPECTRUM

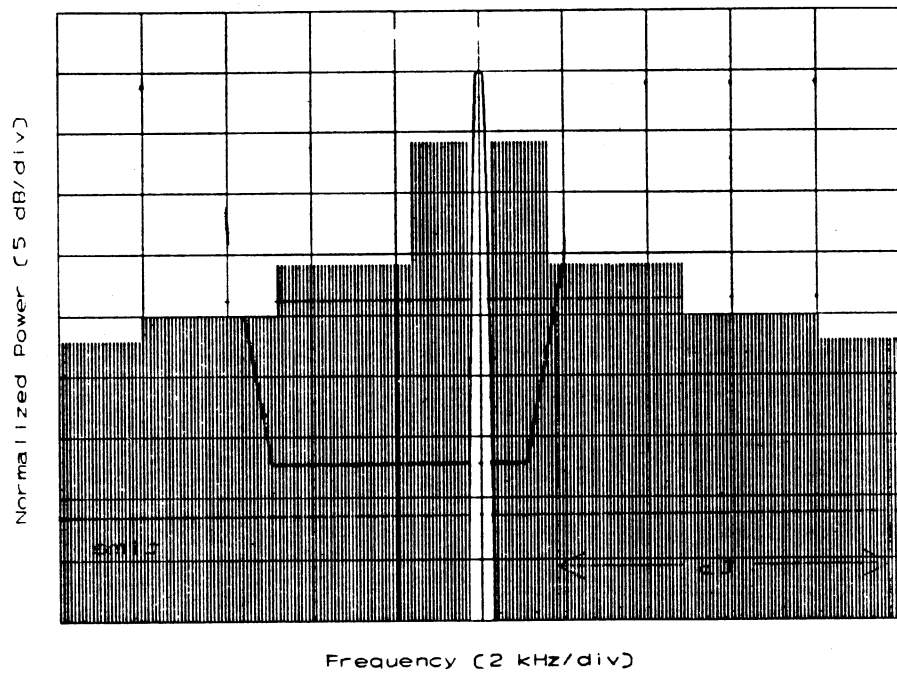


Figure 3 - Example of ideal EPIRB Spectrum

FIGURE 4 TO SUBPART N OF PART 2—EX-
AMPLE OF EPIRB CARRIER COMPO-
NENT

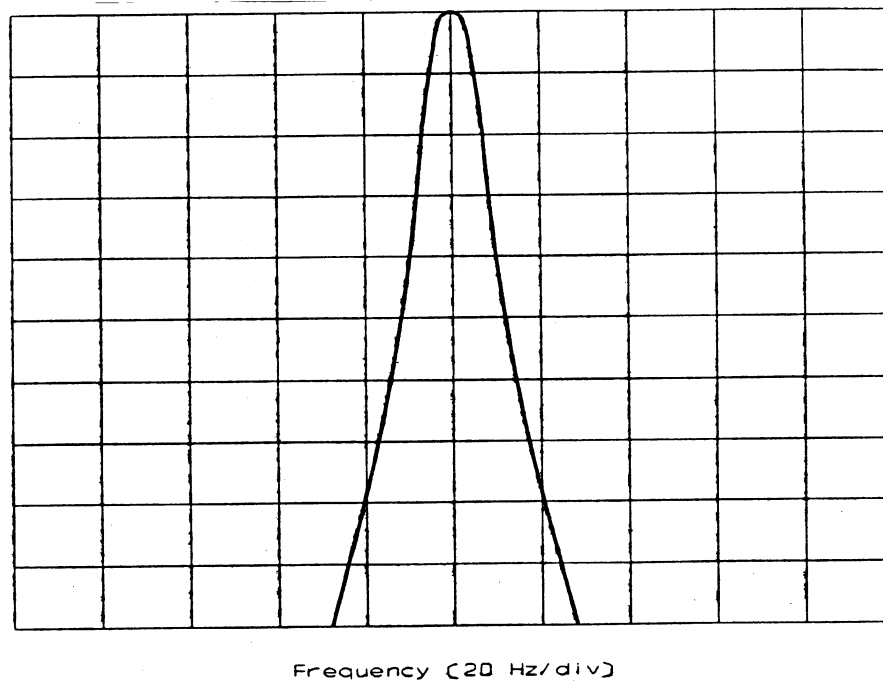


Figure 4 - Example of EPIRB Carrier Component

PART 3—AUTHORIZATION AND ADMINISTRATION OF ACCOUNTING AUTHORITIES IN MARITIME AND MARITIME MOBILE-SATELLITE RADIO SERVICES

GENERAL

Sec.

- 3.1 Scope, basis, purpose.
- 3.2 Terms and definitions.

ELIGIBILITY

- 3.10 Basic qualifications.
- 3.11 Location of settlement operation.

APPLICATION PROCEDURES

- 3.20 Application form.
- 3.21 Order of consideration.
- 3.22 Number of accounting authority identification codes per applicant.
- 3.23 Legal applicant.
- 3.24 Evidence of financial responsibility.
- 3.25 Number of copies.
- 3.26 Where application is to be mailed.
- 3.27 Amended application.

- 3.28 Denial of privilege.
- 3.29 Notifications.

SETTLEMENT OPERATIONS

- 3.40 Operational requirements.
- 3.41 Amount of time allowed before initial settlements.
- 3.42 Location of processing facility.
- 3.43 Applicable rules and regulations.
- 3.44 Time to achieve settlements.
- 3.45 Amount of charges.
- 3.46 Use of gold francs.
- 3.47 Use of SDRs.
- 3.48 Cooperation with the Commission.
- 3.49 Agreement to be audited.
- 3.50 Retention of settlement records.
- 3.51 Cessation of operations.
- 3.52 Complaint/inquiry resolution procedures.
- 3.53 FCC notification of refusal to provide telecommunications service to U.S. registered vessel(s).
- 3.54 Notification of change in address.

REPORTING REQUIREMENTS

- 3.60 Reports.
- 3.61 Reporting address.